

SL-487

Total No. of Pages :2

Seat No.	
-------------	--

B.E. (CSE) (Semester - VIII) (Revised)

Examination, April - 2017

DATA ANALYTICS

Sub. Code : 67824

Day and Date : Tuesday, 25-04-2017

Total Marks :100

Time : 2.00 p.m. to 5.00 p.m.

- Instructions :**
- 1) Figures to the right indicate full marks.
 - 2) Question no. 4 & Question no. 8 are compulsory.
 - 3) Attempt any Two Question from Q. 1 to Q. 3 and From Q. 5 to Q. 7.

- Q1) a) Explain the main components of Business Intelligence System? [8]**
- b) Explain Star Schema, Snowflake Schema, Galaxy Schema with proper example? [8]
- Q2) a) Explain different categories of mathematical models for decision making? [8]**
- b) Explain Data mining process in detail? [8]
- Q3) a) Explain data validation process in data preparation. [8]**
- b) Describe working of Map-Reduce? [8]
- Q4) Write a note on (Attempt Any Three). [18]**
- a) Bivariate & multivariate analysis.
 - b) Hadoop Ecosystem.
 - c) Components of decision making process.
 - d) Structure of Decision support system.

P.T.O.

- Q5) a) Discuss the structure of regression model and explain simple linear and multiple linear regression models with an example. [8]
- b) Discuss the structure and phases of the learning process for a classification along with neat diagram. [8]
- Q6) a) Explain K - means algorithm for clustering. [8]
- b) Explain the general association rules that is useful for range of applications. [8]
- Q7) a) List and explain the different functions to handle the data in R workspace with an example. [8]
- b) List and explain the various types of R commands to import data. [8]
- Q8) Write a note on (Attempt Any Three). [18]
- a) Single dimensional association rule.
- b) Splitting rules in classification trees.
- c) Exporting data from R.
- d) K - mediods Algorithm.

